

### A-10. Discharge Quality.

Indicate the expected quality of the discharge -- wastewater, leachate, sludge, etc. -- generated, stored, treated, processed and/or discharged at your facility. List the contaminants of concern and the expected concentrations. Not all facilities need to characterize influent quality. See Supplemental Instructions for typical contaminants and additional guidance.

Expected or Known Contaminants	Expected conce Indicate units: mg/L	
-	Incoming (Influent)	Final (Effluent)
Dairy Facility:		
Nitrate-Nitrogen*	.77 mg/l	
Total Kjeldahl Nitrogen*	189 mg/l	
Total Dissolved Solids*	1320 mg/l	
Chlorides*	85.1 mg/l	
*May 2008 Quarterly Report		

For	new septic tank systems, you may either fill out the chart above or simply check one of the following options:
	☐ typical domestic wastewater
	□ low-strength domestic wastewater (large gray water component; e.g., laundromat, spa, etc.)
	☐ high-strength domestic wastewater (low water use; e.g., RV park, low-flow toilets at campground, etc.)

### **Ground Water Conditions.** A-11.

All applicants must provide the depth to and pre-discharge TDS concentration of the ground water that could be affected by the discharge. Refer to Supplemental Instructions for details on how to obtain these values.

Indicate the depth to the <u>most shallow</u> ground water beneath the discharge site. If there are multiple discharge sites, indicate the range of depths.	Indicate the total dissolved solids (TDS) concentration of most shallow ground water beneath the discharge site. Attach copies of analyses.
Depth to water (feet): 399.33'	TDS (mg/L):256 mg/l
Reference: May 28, 2008 Quarterly Report	Reference: May 28, 2008 Quarterly Report
☑ Measurement, nearby monitoring well (#3)	☐ Analysis from upgradient monitoring well
☐ Measurement, nearby supply well	☐ Analysis from on-site supply well
☐ Well log from nearby well (attach copy)	☐ Analysis from shallow nearby supply well
☐ Office of the State Engineer http://www.ose.state.nm.us/	☐ Concentration provided in previous Discharge Permit application
☐ Report or study (give citation here and attach relevant portion):	☐ Report or study (give citation here and attach relevant portion):
□ Other (describe):	☑ Other (describe): monitor well #3
<u></u>	

Analytical Services Kwik!

Order # 09-11-075 11/30/09 10:35 ASK LABORATORIES, INC.

Page 2 of 5

# TEST RESULTS BY SAMPLE

Sample: 01A MANURE

Collected: 11/17/09 13:10

Test Description	Resu <u>lt</u>	MQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
PERCENT SOLIDS DRY WEIGHT	55.39		wt % solids	11/20/09	MMA
CHLORIDE ON SOLIDS	3070	750	mg/kg	11/19/09	RAD
NITRATE as (N)	300	75	mg/kg	11/19/09	RAD
TOTAL KITELDAHI, NITROGEN	13600	376	mg/kg	11/25/09	RAD

Sample: 02A WASTEWATER

Collected: 11/17/09 13:00

Test Description	Result	MQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	1350	13	mg/1	11/24/09	RAD
	99.6	20.0	mg/l	11/19/09	RAD
* CHLORIDE	14.1	0.2	mg/l	11/19/09	RAD
NITRATE as (N)	155	2	mg/1	11/25/09	RAD
TOTAL KJELDAHL NITROGEN	100		5,	• •	

Sample: 03A MW #2

Collected: 11/17/09 12:33

Test_Description	Result	MQL	<u>Units</u>	<u>Analyzed</u>	$\underline{\mathtt{B}\mathtt{y}}$
	290	13	mg/l	11/24/09	RAD
TOTAL DISSOLVED SOLIDS	9.3	2.0	mq/l	11/19/09	RAD
* CHLORIDE	1.85	0.20		11/19/09	
NITRATE as (N)		0.5	•	11/25/09	
TOTAL KJELDAHL NITROGEN	0.7	0.5	119/1		



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Order # 09-11-075

ASK LABORATORIES, INC.

Page 3 of 5

11/30/09 10:35

Sample: 04A

TEST RESULTS BY SAMPLE

Collected: 11/17/09 12:55

Test Description TOTAL DISSOLVED SOLIDS * CHLORIDE NITRATE as (N)	<u>Result</u> 279 5.6 6.15	MQL 13 2.0 0.20	mg/l mg/l	11/19/09	RAD RAD RAD
NITRATE as (N) TOTAL KJELDAHL NITROGEN	ND	0.5	<b>.</b>	· · · · · · · · · · · · · · · · · · ·	RAD

N. SUBWELL #1 Sample: 05A

Collected: 11/17/09 13:25

Test Description	Result	MQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	266	1.3	mg/l	11/24/09	RAD
* CHLORIDE	10.4	2.0	mg/l	11/19/09	RAD
NITRATE as (N)	1.91	0.20	mg/l	11/19/09	RAD
TOTAL AS (N)	ND	0.5	mg/l	11/25/09	RAD



of 1	Page 1					RL = Reporting Limit	P = R
		SM 2340 C (2011 Ed.)	g	mg/L	1700	Total Dissolved Solids, TDS	Tota
를 끊	₁Ed) 8/14/2009 8/14/2009 9:17AM	SM 4500-NF	37	mg/L	150	Non-Accredited Tests Total Kjeldahl Nitrogen, TKN	Non-A Tota
듀듀	8/14/2009 1:54PM LF 8/14/2009 2:14PM LF	EPA 353.2 EPA 325.2	0.70 10	mg/L	0.17 110	NELAP Accredited Tests Nitrate+Nitrite Nitrogen, NO3+NO2-N Chloride, Cl	NELAI Nitra Chlo
Tech	Analysis  Method Date/Time T		RL	Unit	Result	/sis	Analysis
	Flow Rate:					ect: Wastewater Lab Analysis	Subject:
	Invoice No: 402018 P.O. #:		9009 12:25 pm STOVALL	led: 08/12/2	Date/Time Sampled: 08/12/2009 12:25 pm Name of Sampler: JARETT STOVALL	Sample ID: WASTEWATER-SOUTH POND Client Name: STARK & SONS DAIRY	Samp
	Location:		2009 09:35 am K TUCKER	ved: 08/13/2 ter: PATRICH	Date/Time Received: 08/13/2009 09:35 am Name of Submitter: PATRICK TUCKER	Project ID: Project Title: STARK & SONS DAIRY	Project ID:
	Todd Whatley Laboratory Manager						ACCRE
	Lodd D. Phylatelle	ñ	ENVIRO-AG ENGINEERING INC 3404 AIRWAY BLVD AMARILLO, TX 79118	ENVIRO-AG ENGINEE 3404 AIRWAY BLVD AMARILLO, TX 79118	Send To: E 6224 3 A	Accreditation #	DITE
	Report Date: 08/20/2009 09:34 aiii		ABORATORY REPORT	<b>30RATO</b>	LAI	: A-2009NL <b>002340</b>	Lab #:
0329	Phone: 806.677.0093 • 800.557.7509 • Fax: 806.677.0329				1	Servi-Tech Laboratories 6921 S. Bell • Amarillo, TX 79109 wwww.servitechlabs.com	Se



**Phone:** 806.677.0093

800,557,7509

Fax: 806.677.0329

ab No: <b>1672</b>	LABORA	TORY ANALYS	IS REPORT	Report Date: (	06/15/2009 10:08 ar
Send To: 6224	ENVIRO-AG ENGIÑ 3404 AIRWAY BLV AMARILLO, TX 79	D			id Whatley
Client Name: Sample ID: Date Received:	STARK DAIRY WASTEWATER RO 05/21/2009	CS #1	Invoice No:	401826	atory Manager
		Analysis results	lbs/ac	re-in	meq/L
		1520 ma/l		wagingay ya ka batawi wutu	
Total Dis	solved Solids	mg/L	Augustan gara (angaya)	ATHERACIA MANDAG MANAGARA	7 0 500 500 \$10.00 THE 650 00 SECTION S
	solved Solids			effet as de parindada pasanta, era	
NUTRIENTS Nitrogen					
NUTRIENTS  Nitrogen  Total Nitr	ogen	190 mg/L		43	
NUTRIENTS  Nitrogen  Total Nitrogenic I	ogen	190 mg/L 47 mg/L		43 11 32	10.2
NUTRIENTS  Nitrogen  Total Nitrogenic I	ogen Nitrogen	190 mg/L 47 mg/L		11	10.2 0
NUTRIENTS  Nitrogen  Total Nitr Organic I  Ammonia  Nitrate+N	ogen Nitrogen a Nitrogen litrite Nitrogen econdary Nutrients	190 mg/L 47 mg/L 143 mg/L <1 mg/L		11 32	TOO SEA ACTION AND A PROPERTY OF A SECURITION OF THE SECURITION OF
NUTRIENTS  Nitrogen  Total Nitr Organic I Ammonia Nitrate+N  Major and Se Phospho	ogen Nitrogen a Nitrogen litrite Nitrogen econdary Nutrients	190 mg/L 47 mg/L 143 mg/L <1 mg/L		11 32	TOO SEA ACTION AND A PROPERTY OF A SECURITION OF THE SECURITION OF
NUTRIENTS  Nitrogen  Total Nitr Organic I Ammonia Nitrate+N  Major and Se Phospho	ogen Nitrogen a Nitrogen litrite Nitrogen econdary Nutrients rus	190 mg/L 47 mg/L 143 mg/L <1 mg/L 42 mg/kg 100 mg/kg		11 32	0
NUTRIENTS  Nitrogen  Total Nitr Organic I Ammonia Nitrate+N  Major and Se Phospho Phospho Potassiui Potassiui	ogen Nitrogen a Nitrogen litrite Nitrogen econdary Nutrients rus	190 mg/L 47 mg/L 143 mg/L <1 mg/L 42 mg/kg 100 mg/kg		11 32 0 23	TOO SEA ACTION AND A PROPERTY OF A SECURITION OF THE SECURITION OF
NUTRIENTS  Nitrogen  Total Nitr Organic I Ammonia Nitrate+N  Major and Se Phospho Phospho Potassiui	ogen Nitrogen a Nitrogen litrite Nitrogen condary Nutrients rus rus as P2O5	190 mg/L 47 mg/L 143 mg/L <1 mg/L 42 mg/kg 100 mg/kg 195 mg/kg		11 32 0	0
NUTRIENTS  Nitrogen  Total Nitr Organic I Ammonia Nitrate+N  Major and Se Phospho Phospho Potassiui Chloride	ogen Nitrogen a Nitrogen litrite Nitrogen condary Nutrients rus rus as P2O5 n m as K2O	190 mg/L 47 mg/L 143 mg/L <1 mg/L 42 mg/kg 100 mg/kg 195 mg/kg 230 mg/kg		11 32 0 23	5.0
NUTRIENTS  Nitrogen Total Nitr Organic I Ammonia Nitrate+N Major and Se Phospho Phospho Potassiui Potassiui Chloride  OTHER PROPER	rogen Nitrogen a Nitrogen litrite Nitrogen condary Nutrients rus rus as P2O5 m m as K2O	190 mg/L 47 mg/L 143 mg/L <1 mg/L 42 mg/kg 100 mg/kg 195 mg/kg 230 mg/kg 57 mg/L		11 32 0 23 52 13	5.0
NUTRIENTS  Nitrogen  Total Nitr Organic I Ammonia Nitrate+N  Major and Se Phospho Phospho Potassiui Chloride  OTHER PROPER Total Sol	ogen Nitrogen a Nitrogen litrite Nitrogen condary Nutrients rus rus as P2O5 m m as K2O	190 mg/L 47 mg/L 143 mg/L 143 mg/L 42 mg/kg 100 mg/kg 195 mg/kg 230 mg/kg 57 mg/L		11 32 0 23 52 13	5.0
NUTRIENTS  Nitrogen Total Nitr Organic I Ammonia Nitrate+N Major and Se Phospho Phospho Potassiun Chloride  OTHER PROPER Total Sol	rogen Nitrogen a Nitrogen litrite Nitrogen condary Nutrients rus rus as P2O5 m m as K2O	190 mg/L 47 mg/L 143 mg/L <1 mg/L 42 mg/kg 100 mg/kg 195 mg/kg 230 mg/kg 57 mg/L		11 32 0 23 52 13	5.0

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Report Date: 08/20/2009 09:55 am LABORATORY REPORT

Phone: 806,677,0093 • 800,557,7509 • Fax: 806,677,0329

Date/Time Todd Whatley Laboratory Manager Invoice No: 402018 Flow Rate: Location: P.O. #: Depth: Send To: ENVIRO-AG ENGINEERING INC 6224 3404 AIRWAY BLVD AMARILLO, TX 79118 Date/Time Received: 08/13/2009 09:35 am Date/Time Sampled: 08/12/2009 12:00 pm Name of Submitter: PATRICK TUCKER Name of Sampler: JARETT STOVALL Accreditation # T104704264-09 Subject: Monitoring Well Lab Analysis Client Name: STARK & SONS DAIRY Project Title: STARK & SONS DAIRY ACCORDINA ACCORDA A-2009NL002341 Sample ID: MW 1 Project ID:

Tech

Method

뭅

Unit

Result

8/14/2009 1:55PM

EPA 353.2

0.10

mg/L

1.8

Nitrate+Nitrite Nitrogen, NO3+NO2-N

Chloride, Cl

**NELAP Accredited Tests** 

Analysis

mg/L

8/14/2009 2:16PM

RR ∂

8/14/2009 9:17AM

8/14/2009

SM 4500-NH3 C (20th Ed)

SM 2540 C (20th Ed.)

2 20

mg/L

Q

Total Kjeldahl Nitrogen, TKN Total Dissolved Solids, TDS

Non-Accredited Tests

mg/L

296

Page 1 of 1 ND = Not Detected at RL RL = Reporting Limit

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					1
Lab #: A-2009NL <b>002342</b>	LABORATORY REPORT	EPORT	Report Date:	Report Date: 08/20/2009 09:55 am	
CONTROL ACCEDITATION # ACCREDITATION # T104704264-09	Send To: ENVIRO-AG ENGINEERING INC 6224 3404 AIRWAY BLVD AMARILLO, TX 79118	ERING INC 8	Todd Laborato	Jed D. Fire E. Todd Whatley Laboratory Manager	-
Project ID: Project Title: STARK & SONS DAIRY	Date/Time Received: 08/13/2009 09:35 am Name of Submitter: PATRICK TUCKER	::35 am ER	Location:		
Sample ID: MW 3 Client Name: STARK & SONS DAIRY	Date/Time Sampled: 08/12/2009 01:11 pm Name of Sampler: JARETT STOVALL	11 pm -L	Invoice No: 402018 P.O. #:		
Subject: Monitoring Well Lab Analysis			Depth: Flow Rate:		
Analysis	Result Unit RL	<b>-</b>	Method	Analysis Date/Time	Tech
NELAP Accredited Tests Nitrate+Nitrite Nitrogen, NO3+NO2-N Chloride, Cl	5.8 mg/L 0. 7.3 mg/L	0.10 EPA 353.2 1.0 EPA 325.2		8/14/2009 1:56PM LF 8/14/2009 2:17PM LF	H 11
Non-Accredited Tests Total Kjeldahl Nitrogen, TKN Total Dissolved Solids, TDS	ND mg/L 312 mg/L	5 SM 4500-NH3 C (20th Ed) 20 SM 2540 C (20th Ed.)	S C (20th Ed) Oth Ed.)	8/14/2009 8/14/2009 9:17AM	RR MD
RL = Reporting Limit ND = Not Detected at RL				Page 1 of 1	l of 1

RL = Reporting Limit ND = Not Detected at RL

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Report Date: 06/04/2009 04:37 pm Analysis Todd Whatley Laboratory Manager Invoice No: 401826 Flow Rate: Location P.O. #: Depth: Send To: ENVIRO-AG ENGINEERING INC 6224 3404 AIRWAY BLVD AMARILLO, TX 79118 LABORATORY REPORT Date/Time Received: 05/21/2009 01:25 pm Date/Time Sampled: 05/20/2009 12:10 pm Name of Submitter: PATRICK TUCKER Name of Sampler: JARETT STOVALL T104704264-09 Subject: Monitoring Well Lab Analysis Sample ID: MONITOR WELL #1 Client Name: STARK DAIRY Project Title: STARK DAIRY ACCORDINATED IN ACCORDA Project ID:

Analysis	Result	Unit	RL	Method	Date/Time T	Tech
dited Tests te Nitrogen, NO3+NO2-N	1.8	mg/L mg/l	0.10	EPA 353.2 FPA 375.2	5/22/2009 10:16AM LF 5/22/2009 11:36AM LF	F F
Non-Accredited Tests Total Kieldahl Nitrogen, TKN		]/s	9	EPA 351.3	- 91	ÄR
	278	mg/L	20	SM 2540 C (20th Ed.)	6/1/2009 11:16AM I	
						<u>.                                    </u>
RL = Reporting Limit   ND = Not Detected at RL					Page 1 of 1	of 1

Page 1 of 1

RL = Reporting Limit ND = Not Detected at RL

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Phone: 806,677,0093 • 800,557,7509 • Fax: 806,677,0329

Report Date: 06/04/2009 04:40 pm Todd Whatley Laboratory Manager Invoice No: 401826 Location: P.O. #: Depth: Send To: ENVIRO-AG ENGINEERING INC 6224 3404 AIRWAY BLVD LABORATORY REPORT Date/Time Received: 05/21/2009 01:25 pm Date/Time Sampled: 05/20/2009 12:45 pm Name of Submitter: PATRICK TUCKER Name of Sampler: JARETT STOVALL AMARILLO, TX 79118 CONTROL 1N ACCORD

ACCREDITATION #

TO 104704264-09 Subject: Monitoring Well Lab Analysis Sample ID: MONITOR WELL #3 Client Name: STARK DAIRY Project Title: STARK DAIRY A-2009NL001675 Project ID: Lab#:

Flow Rate:

Analysis	Result	Unit	RL	Method	Analysis Date/Time	Tech
NELAP Accredited Tests Nitrate+Nitrite Nitrogen, NO3+NO2-N Chloride, Cl	7.4	mg/L mg/L	0.10	EPA 353.2 EPA 325.2	5/22/2009 10:18AM LF 5/22/2009 11:39AM LF	
Non-Accredited Tests Total Kjeldahi Nitrogen, TKN Total Dissolved Solids, TDS	ND 276	mg/L mg/L	<b>.6</b> 20	EPA 351:3 SM 2540 C (20th Ed.)	5/27/2009 6/1/2009 11:16AM	AR MD
						- <del>V.</del>
						<u>-</u>

MAR 1 2 2009

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Order # 09-02-068 02/23/09 11:07

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Page 2 of 5

TEST RESULTS BY SAMPLE

Sample: 01A MANURE

Collected: 02/17/09 12:12

Test Description PERCENT SOLIDS DRY WEIGHT	Result 48.59	MQL	<u>Units</u> wt % solids	<u>Analyzed</u> 02/19/09	
CHLORIDE ON SOLIDS	4170	828	mg/kg	02/18/09	CRY
NITRATE as (N)	ND	41	mg/kg	02/18/09	CRY
TOTAL KJELDAHL NITROGEN	9740	1030	mg/kg	02/20/09	WLW

# Sample: 02A WASTEWATER

Collected: 02/17/09 11:08

Test Description	Result	MQL	<u>Units</u>	<u>Analyzed</u>	$\underline{\mathtt{B}} \underline{\mathtt{y}}$
TOTAL DISSOLVED SOLIDS	1500	13	mg/l	02/20/09	CRY
CHLORIDE	79.7	20.0	mg/l	02/18/09	CRY
NITRATE as (N)	2.39	0.20	mg/l	02/18/09	CRY
TOTAL KJELDAHL NITROGEN	168	5	mg/l	02/20/09	WLW

# Sample: 03A MW #1

Collected: 02/17/09 11:00

Test Description	Result	MQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	282	13	mg/l	02/20/09	CRY
CHLORIDE	9.8	2.0	<b>.</b>	02/18/09	
NITRATE as (N)	1.86	0.20	mg/l	02/18/09	CRY
TOTAL KJELDAHL NITROGEN	ND	0.5	mg/l	02/20/09	WUW



# GROUND WATER

MAR 1 2 2009

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Page 3 of 5

# TEST RESULTS BY SAMPLE

Sample: 04A MW #2

Collected: 02/17/09 11:30

Test Description TOTAL DISSOLVED SOLIDS	<u>Result</u> 264	<u>MQL</u> 13		<u>Analyzed</u> 02/20/09	
CHLORIDE	8.4	2.0	mg/l	02/18/09	CRY
NITRATE as (N)	1.59	0.20	mg/1	02/18/09	CRY
TOTAL KJELDAHL NITROGEN	ND	0.5	mg/l	02/20/09	WLW

### Sample: 05A MW #3

## Collected: 02/17/09 11:45

Test Description	<u>Result</u>	MQL	<u>Units</u>	Analyzed	By
TOTAL DISSOLVED SOLIDS	271	13	mg/l	02/20/09	CRY
CHLORIDE	7.0	2.0	mg/l	02/18/09	CRY
NITRATE as (N)	5.38	0.20	mg/l	02/18/09	CRY
TOTAL KJELDAHL NITROGEN	ND	0.5	mg/l	02/20/09	WLW



# GROUND WATER

DEC 1 7 2008

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Order # 08-11-058 11/24/08 17:19 ASK LABORATORIES, INC.

Page 2 of 5

TEST RESULTS BY SAMPLE

Sample: 01A MANURE

Collected: 11/17/08 13:08

Test Description	Result	MOL	<u>Units</u>	<b>Analyzed</b>	By
PERCENT SOLIDS DRY WEIGHT	45.57	0.10	wt % solids	11/19/08	CRY
CHLORIDE ON SOLIDS	4270	439	J, J	11/18/08	
NITRATE as (N)	ND	2.20	mg/kg	11/18/08	CRY
TOTAL KJELDAHL NITROGEN	16300	109	mg/kg	11/19/08	W L W

Sample: 02A WASTEWATER

Collected: 11/17/08 12:56

Test Description	<u>Result</u>	MQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	1570	10	mg/l	11/24/08	CRY
CHLORIDE	115	40	mg/l	11/18/08	CRY
NITRATE as (N)	0.53	0.20	mg/l	11/18/08	CRY
TOTAL KJELDAHL NITROGEN	228	5	mg/1	11/19/08	WLW

Sample: 03A WELL WATER MW#1

Collected: 11/17/08 13:22

Test Description	Result	MOL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	277	10	mg/1	11/24/08	CRY
CHLORIDE	10.0	2.0	mg/l	11/18/08	CRY
NITRATE as (N)	1.88	0.20	mg/1	11/18/08	CRY
TOTAL KJELDAHL NITROGEN	ND	0.5	mg/l	11/19/08	WUW



# GROUND WATER

DEC 1 7 2008

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mg/l

11/19/08

WUW

Order # 08-11-058 11/24/08 17:19

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Page 3 of 5

### TEST RESULTS BY SAMPLE

Sample: 04A WELL WATER MW#2

TOTAL KJELDAHL NITROGEN

Collected: 11/17/08 12:12

0.5

Test Description	Result	MQL	Units	Analyzed	By
TOTAL DISSOLVED SOLIDS	281	10		11/24/08	
CHLORIDE	8.45	2.0	mg/l	11/18/08	CRY
NITRATE as (N)	1.65	0.20	mg/l	11/18/08	CRY
TOTAL KJELDAHL NITROGEN	ND	0.5	mg/1	11/19/08	WUW

Sample: 05A WELL WATER MW#3 Collected: 11/17/08 12:33

Test Description	Result	MOL	Units	Analyzed	By
TOTAL DISSOLVED SOLIDS	286	10		11/24/08	
CHLORIDE	6.98	2.0	mg/l	11/18/08	CRY
NITRATE as (N)	5.64	0.20	mcr / 1	11/18/08	CDV

ND



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Order # 06-12-030

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Page 2

12/14/06 10:54

# TEST RESULTS BY SAMPLE

Collected: 12/08/06 12:05 Sample: 01A MW-#1

Test Description	Result	SQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	261	10	mg/1	12/12/06	VRB
CHLORIDE	10.5	2.0	mg/l	12/11/06	BNH
NITRATE + NITRITE as (N)	1.51	0.20	mg/l	12/11/06	BNH
TOTAL KJELDAHL NITROGEN	<0.5	0.5	mg/l	12/11/06	BNH

### Sample: 02A

Collected: 12/08/06 11:00

Test Description	Result	SQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	256	10	mg/l	12/12/06	VRB
CHLORIDE	9.5	2.0	mg/l	12/11/06	BNH
NITRATE + NITRITE as (N)	1.68	0.20	mg/l	12/11/06	BNH
TOTAL KJELDAHL NITROGEN	<0.5	0.5	mg/1	12/11/06	BNH

# Sample: 03A

Collected: 12/08/06 11:25

Test Description	Result	SQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	281	10	mg/1	12/12/06	VRB
CHLORIDE	7.0	2.0	mg/l	12/11/06	BNH
★ NITRATE + NITRITE as (N)	7.46	0.20	mg/l	12/11/06	BNH
TOTAL KJELDAHL NITROGEN	<0.5	0.5	mg/l	12/11/06	BNH

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Order # 06-12-030 12/14/06 10:54 ASK LABORATORIES, INC.

Page 3

# TEST RESULTS BY SAMPLE

Sample: 04A MW-#4

Collected: 12/08/06 11:45

Test Description	Result	SQL	Units	Analyzed	Bv
TOTAL DISSOLVED SOLIDS	236	10		12/12/06	
CHLORIDE	14.3	2.0		12/11/06	
NITRATE + NITRITE as (N)	1.44	0.20	_	12/11/06	
TOTAL KJELDAHL NITROGEN	<0.5	0.5	_	12/11/06	

Sample: 05A WASTEWATER

Collected: 12/08/06 11:35

Test Description	Result	SQL	Units	Analyzed	Βv
POTASSIUM	210	0.5		12/11/06	
*TOTAL NITROGEN	41.0	1.0	mg/l	12/11/06	BNH
TOTAL PHOSPHORUS as P	39.1	0.5	mg/l	12/11/06	JA

## QA/QC INFORMATION

COMPOUND CHLORIDE NITRATE TKN TDS	RPD 0.1% 1.2% 4.1% 2.3%	SPIKE RECOVERY 96% 98% 110% ****	QC RECOVERY 97% 102% 113% ****	BLANK bdl bdl bdl bdl	
PHOSPHORUS POTASSIUM	1.5% 0.3%	99% 93%	101% 99%	bdl bdl	5935 Glenoak Lane Amarillo, Texas 79109 Telephone (806) 353-4425 Toll Free 1-800-423-9443 Facsimile (806) 352-6454

bdl=below detectable levels

lowest TKN

DEC 3 9 2005

# ASK Laboratories, Inc.

# Analytical Services Kwik!

Order # 05-11-047 11/18/05 16:05

# ASK LABORATORIES, INC.

Page 2

# TEST RESULTS BY SAMPLE

Sample: 01A MW #4 Collected: 11/10/05

Test Description	<u>Result</u>	<u>SQL</u>		<u>Analyzed</u>	
TOTAL DISSOLVED SOLIDS	222	5	mg/1	11/17/05	TWC
CHLORIDE	5.7	2.0	mg/1	11/14/05	BNH
NITRATE + NITRITE as (N)	1.16	0.20	mg/l	11/14/05	BNH
TOTAL KJELDAHL NITROGEN	0.2	0.1	mg/l	11/15/05	·BNH

### Sample: 02A MW #2

Collected: 11/10/05

Test Description	Result	SQL	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TOTAL DISSOLVED SOLIDS	255	5	mg/l	11/17/05	TWC
CHLORIDE	10.1	2.0	mg/1	11/14/05	BNH
NITRATE + NITRITE as (N)	1.59	0.20	mg/1	11/14/05	BNH
TOTAL KJELDAHL NITROGEN	0.3	0.1	mg/1	11/15/05	BNH

# Sample: 03A

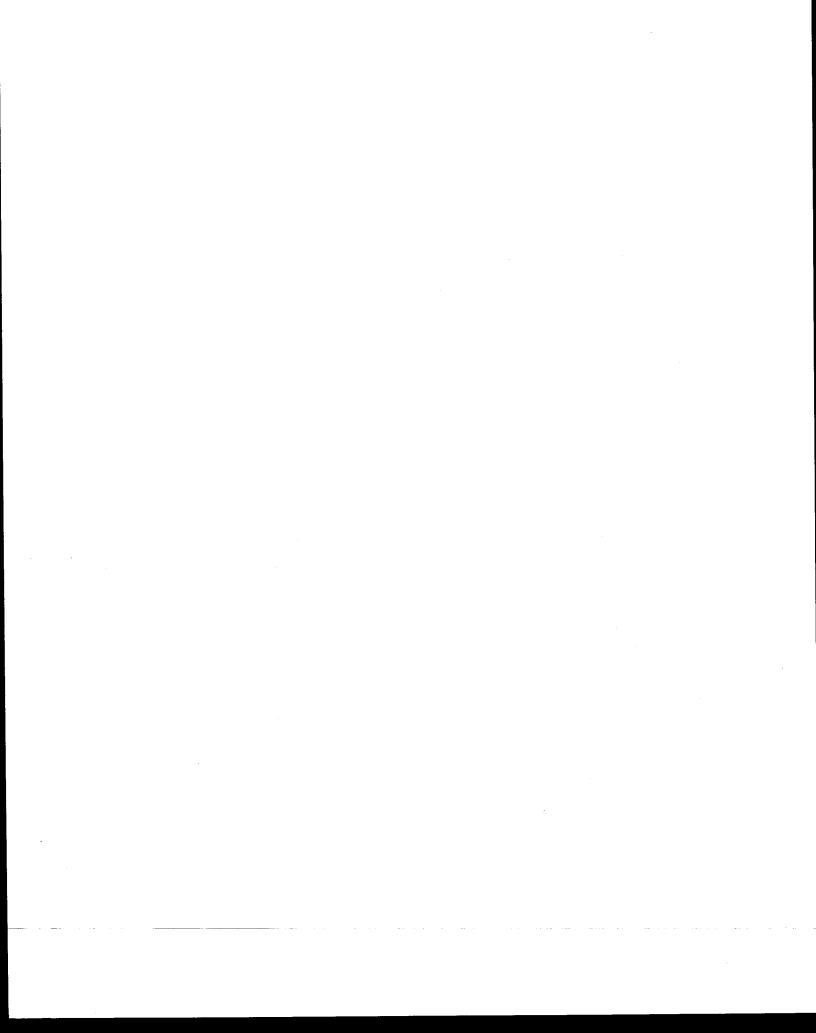
Collected: 11/10/05

Test Description	Result	SQL	<u>Units</u>	<u>Analyzed</u>	By
TOTAL DISSOLVED SOLIDS	261	5	mg/l	11/17/05	TWC
CHLORIDE	8.4	2.0	<b>.</b>	11/14/05	
NITRATE + NITRITE as (N)	4.65	0.20	mg/1	11/14/05	BNH
TOTAL KJELDAHL NITROGEN	0.3	0.1	mg/l	11/15/05	BNH

### Sample: 04A WASTEWATER

Collected: 11/10/05

Test Description TOTAL DISSOLVED SOLIDS CHLORIDE NITRATE + NITRITE as (N)	Result 1600 146 <0.20	SQL 5 2.0 0.20	mg/l mg/l mg/l	Analyzes 335 8 16 noak Lane 11/17 Amarillo TVEX as 79109 11/Telephone (806) 353-4425 11/Telephone 1:800; 352-6454
TOTAL KJELDAHL NITROGEN	471	0.1		11/Facsimile (896)H352-6454



Question: Ever had confirmed NO3-N contamination? NO

# ASK Laboratories, Inc.

Analytical Services Kwik!

Order # 06-12-030 12/14/06 10:54

ASK LABORATORIES, INC.

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A

Collected: 12/08/06 12:05

Test Description TOTAL DISSOLVED SOLIDS	<u>Result</u> 261	<u>SQL</u> 10		<u>Analyzed</u> 12/12/06	
CHLORIDE	10.5	2.0	•	12/11/06	
NITRATE + NITRITE as (N)	1.51	0.20		12/11/06	
TOTAL KJELDAHL NITROGEN	<0.5	0.5		12/11/06	

Sample: 02A MW-#2

Collected: 12/08/06 11:00

Test Description	<u>Result</u>	SQL	<u>Units</u>	Analyzed	By
TOTAL DISSOLVED SOLIDS	256	10		12/12/06	
CHLORIDE	9.5	2.0	mg/l	12/11/06	BNH
NITRATE + NITRITE as (N)	1.68	0.20	mg/l	12/11/06	BNH
TOTAL KJELDAHL NITROGEN	<0.5	0.5	mg/l	12/11/06	BNH

Sample: 03A MW-#3

Collected: 12/08/06 11:25

Test Description	<u>Result</u>	SQL	<u>Units</u>	Analyzed	By
TOTAL DISSOLVED SOLIDS	281	10	mg/l	12/12/06	VRB
CHLORIDE	7.0	2.0	mg/1	12/11/06	BNH
NITRATE + NITRITE as (N)	7.46	0.20	mg/l	12/11/06	BNH
TOTAL KJELDAHL NITROGEN	<0.5	0.5	mg/l	12/11/06	BNH

DP-1413

L) Highest NO3-N Reported in Ground Water
L) Source Monitorel: LAA

5935 Glenoak Lane Amarillo, Texas 79109 Telephone (806) 353-4425 Toll Free 1-800-423-9443 Facsimile (806) 352-6454

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Please Note: Liability and Damages. ASK Laboratories, Inc. liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by ASK Laboratories, Inc. within thirty days of the applicable service. In no event shall ASK Laboratories, Inc. be liable for incidental or consequential damages, including those without limitation, business interruption, loss of use, or loss of profits incurred by the client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services rendered by ASK Laboratories, Inc. regardless of whether such claim is based upon any of the preceding stated reasons or otherwise.

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Page 3

## TEST RESULTS BY SAMPLE

Sample: 04A MW-#4

Collected: 12/08/06 11:45

Test Description	Result	SQL	<u>Units</u>	Analyzed	By
TOTAL DISSOLVED SOLIDS	236	10	mg/1	12/12/06	VRB
CHLORIDE	14.3	2.0	mg/l	12/11/06	BNH
NITRATE + NITRITE as (N)	1.44	0.20	mg/l	12/11/06	BNH
TOTAL KJELDAHL NITROGEN	<0.5	0.5	mg/l	12/11/06	BNH

Sample: 05A WASTEWATER

Collected: 12/08/06 11:35

Test Description	<u>Result</u>	SQL	<u>Units</u>	<u>Analyzed</u>	By
POTASSIUM	210	0.5	mg/1	12/11/06	JA
TOTAL NITROGEN	41.0	1.0	mg/l	12/11/06	BNH
TOTAL PHOSPHORUS as P	39.1	0.5	mg/1	12/11/06	JA

# QA/QC INFORMATION

COMPOUND CHLORIDE NITRATE	RPD 0.1% 1.2%	SPIKE RECOVERY 96% 98%	QC RECOVERY 97% 102%	BLANK bdl bdl	
TKN	4.1%	110%	113%	bdl	
TDS	2.3%	***	***	bdl	
					5935 Glenoak Lane Amarillo, Texas 79109
PHOSPHORUS	1.5%	99%	101%	bdl	Telephone (806) 353-4425
POTASSIUM	0.3%	93%	99% - '	bdl	Toll Free 1-800-423-9443 Facsimile (806) 352-6454

bdl=below detectable levels